

U.S. Application No. 10/684,747, filed October 14, 2003  
Attorney Docket No. 14211US03  
Amendment dated August 6, 2007  
In Response to Office Action mailed April 4, 2007

### **Amendments to the Claims**

This listing of claims will replace all prior versions and listings of claims in the application.

Claims 1-10 (cancelled).

11. (Currently Amended) A portable data processing device sized to be carried by a human user comprising:

a wireless radio transceiver arranged to transmit with a first type of spread spectrum modulation and a second type of spread spectrum modulation and to receive with [a] the first type of modulation and [a] the second type of modulation; and

a controller arranged to automatically select one of the first type of spread spectrum modulation and the second type of spread spectrum modulation.

12. (Currently Amended) The device of claim 11 wherein the first type of spread spectrum modulation is direct sequence spread spectrum modulation.

13. (Currently Amended) The device of claim 12 wherein the second type of spread spectrum modulation is ~~spread spectrum modulation is one of direct spread spectrum modulation~~ and frequency hopping spread spectrum modulation.

14. (Currently Amended) The device of claim 11 wherein the transceiver is capable of processing radio communications according to a first protocol used for communications in a first frequency range and ~~also~~ is capable of processing radio communications according to a second protocol used for communications in a second frequency range different from the first frequency range.

U.S. Application No. 10/684,747, filed October 14, 2003  
Attorney Docket No. 14211US03  
Amendment dated August 6, 2007  
In Response to Office Action mailed April 4, 2007

15. (Previously Presented) The device of claim 14 wherein the second frequency range includes 2.4 GHz.

16. (Currently Amended) The device of claim 11 ~~and further~~ comprising a modem transceiver arranged to provide wired communication wherein the controller is arranged to select at least one of the radio transceiver and the modem transceiver.

17. (Previously Presented) The device of claim 11 wherein the device comprises a laptop computer.

18. (Previously Presented) The device of claim 11 wherein the device is sized to be held in one hand of the user.

19. (Currently Amended) A portable data processing device sized to be carried by a human user comprising a wireless radio transceiver capable of processing radio communications according to a first protocol used for communications in a first frequency range and ~~also~~ is capable of processing radio communications according to a second protocol used for communications in a second frequency range different from the first frequency range, wherein the radio transceiver is arranged to transmit using a first type of spread spectrum modulation and a second type of spread spectrum modulation, and wherein the radio transceiver is arranged to receive using the first type of spread spectrum modulation and the second type of spread spectrum modulation.

20. (Previously Presented) The device of claim 19 wherein the second frequency range includes 2.4 GHz.

U.S. Application No. 10/684,747, filed October 14, 2003  
Attorney Docket No. 14211US03  
Amendment dated August 6, 2007  
In Response to Office Action mailed April 4, 2007

21. (Cancelled) The device of claim 19 wherein the transceiver is arranged to transmit with a first type of modulation and a second type of modulation and to receive with a first type of modulation and a the second type of modulation and wherein the device further comprises a controller arranged to automatically select one of the first type of modulation and the second type of modulation.

22. (Currently Amended) The device of claim ~~21~~ 19 wherein the first type of spread spectrum modulation is direct sequence spread spectrum modulation.

23. (Currently Amended) The device of claim 22 wherein the second type of spread spectrum modulation is ~~spread spectrum modulation is one of direct spread spectrum modulation~~ and frequency hopping spread spectrum modulation.

24. (Currently Amended) The device of claim 21 ~~and further~~ comprising a modem transceiver arranged to provide wired communication wherein the controller is arranged to select at least one of the radio transceiver and the modem transceiver.

25. (Previously Presented) The device of claim 19 wherein the device comprises a laptop computer.

26. (Previously Presented) The device of claim 19 wherein the device is sized to be held in one hand of the user.

27. (Currently Amended) Circuitry suitable for use in a portable data processing device sized to be carried by a human user comprising:

a wireless radio transceiver arranged to transmit with a first type of spread spectrum

U.S. Application No. 10/684,747, filed October 14, 2003

Attorney Docket No. 14211US03

Amendment dated August 6, 2007

In Response to Office Action mailed April 4, 2007

modulation and a second type of spread spectrum modulation and to receive with ~~a~~ the first type of spread spectrum modulation and ~~a~~ the second type of spread spectrum modulation; and

a controller arranged to automatically select one of the first type of spread spectrum modulation and the second type of spread spectrum modulation.

28. (Currently Amended) The circuitry of claim 27 wherein the first type of spread spectrum modulation is direct sequence spread spectrum modulation.

29. (Currently Amended) The circuitry of claim 28 wherein the second type of spread spectrum modulation is spread spectrum modulation is one of direct spread spectrum modulation ~~and~~ frequency hopping spread spectrum modulation.

30. (Currently Amended) The circuitry of claim 27 wherein the radio transceiver is capable of processing radio communications according to a first protocol used for communications in a first frequency range and ~~also~~ is capable of processing radio communications according to a second protocol used for communications in a second frequency range different from the first frequency range.

31. (Previously Presented) The circuitry of claim 30 wherein the second frequency range includes 2.4 GHz.

32. (Currently Amended) The circuitry of claim 27 ~~and further~~ comprising a modem transceiver arranged to provide wired communication wherein the controller is arranged to select at least one of the radio transceiver and the modem transceiver.

33. (Previously Presented) The circuitry of claim 27 wherein the device comprises a

laptop computer.

34. (Previously Presented) The circuitry of claim 27 wherein the device is sized to be held in one hand of the user.

35. (Currently Amended) Circuitry suitable for use in a portable data processing device sized to be carried by a human user comprising a wireless radio transceiver capable of processing radio communications according to a first protocol used for communications in a first frequency range and ~~also~~ is capable of processing radio communications according to a second protocol used for communications in a second frequency range different from the first frequency range, wherein the radio transceiver is arranged to transmit using a first type of spread spectrum modulation and a second type of spread spectrum modulation, and wherein the radio transceiver is arranged to receive using the first type of spread spectrum modulation and the second type of spread spectrum modulation.

36. (Previously Presented) The circuitry of claim 35 wherein the second frequency range includes 2.4 GHz.

37. (Cancelled) The circuitry of claim 35 wherein the transceiver is arranged to transmit with a first type of modulation and a second type of modulation and to receive with a first type of modulation and a second type of modulation and wherein the circuitry further comprises a controller arranged to automatically select one of the first type of modulation and second type of modulation.

38. (Currently Amended) The circuitry of claim 37 wherein the first type of spread spectrum modulation is direct sequence spread spectrum modulation.

U.S. Application No. 10/684,747, filed October 14, 2003  
Attorney Docket No. 14211US03  
Amendment dated August 6, 2007  
In Response to Office Action mailed April 4, 2007

39. (Currently Amended) The circuitry of claim 38 wherein the second type of spread spectrum modulation is spread spectrum modulation is ~~one of direct spread spectrum modulation and frequency hopping spread spectrum modulation~~.

40. (Currently Amended) The circuitry of claim 37 ~~and further~~ comprising a modem transceiver arranged to provide wired communication wherein the controller is arranged to select at least one of the radio transceiver and the modem transceiver.

41. (Currently Amended) The circuitry of claim 35 wherein the device ~~comprises~~ is a laptop computer.

42. (Previously Presented) The circuitry of claim 35 wherein the device is sized to be held in one hand of the user.